

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060622\
 Data File : VN072657.D
 Acq On : 06 Jun 2022 11:17
 Operator : JC\MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/07/2022
 Supervised By : Mahesh Dadoda 06/07/2022

Quant Time: Jun 06 13:11:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 13:10:13 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.651	128	43811	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	268315	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	241354	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	154720	35.050	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 116.833%#			
60) 4-Bromofluorobenzene	12.727	95	143931	33.113	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 110.367%			
63) Toluene-d8	10.439	98	412493	30.145	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.467%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	65477	21.908	ug/l	99
3) Chloromethane	2.298	50	70425	17.875	ug/l	95
4) Vinyl Chloride	2.440	62	64656	19.425	ug/l	94
5) Bromomethane	2.851	94	32437	19.610	ug/l	97
6) Chloroethane	3.016	64	45955	21.714	ug/l	98
7) Trichlorofluoromethane	3.369	101	117293	23.924	ug/l	99
8) Diethyl Ether	3.822	74	45418	22.670	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.204	101	61599	22.992	ug/l	76
10) 1,1-Dichloroethene	4.181	96	56762	21.914	ug/l	87
11) Methyl Iodide	4.416	142	60095	23.515	ug/l	94
12) Methyl Acetate	4.851	43	116655	22.354	ug/l	90
13) Acrolein	4.034	56	48798	85.412	ug/l	100
14) Acrylonitrile	5.545	53	246628	110.882	ug/l	98
15) Acetone	4.281	58	66762	115.815	ug/l	94
16) Carbon Disulfide	4.534	76	137762	19.695	ug/l	96
17) Allyl chloride	4.839	41	125099	22.711	ug/l	93
18) Methylene Chloride	5.092	84	73593	21.767	ug/l	93
19) trans-1,2-Dichloroethene	5.592	96	63138	22.282	ug/l	88
20) Diisopropyl ether	6.492	45	255412	20.504	ug/l #	95
21) 1,1-Dichloroethane	6.381	63	137111	21.429	ug/l	97
22) cis-1,2-Dichloroethene	7.316	96	79847	21.904	ug/l	91
23) tert-Butyl Alcohol	5.351	59	117487	141.830	ug/l #	100
24) Methyl tert-Butyl Ether	5.604	73	261756	24.978	ug/l	98
25) Chloroform	7.810	83	143061	21.768	ug/l	96
26) Cyclohexane	8.092	56	114833	19.260	ug/l #	92
29) 1,1-Dichloropropene	8.216	75	97714	19.779	ug/l	95
30) 2-Butanone	7.328	43	360941	107.398	ug/l	95
31) 2,2-Dichloropropane	7.316	77	135322	25.434	ug/l	96
32) 1,1,1-Trichloroethane	8.010	97	130814	23.014	ug/l	97
33) Carbon Tetrachloride	8.204	117	111892	22.273	ug/l	98
34) Benzene	8.457	78	294107	19.135	ug/l	98
35) Methacrylonitrile	7.628	41	67353	19.487	ug/l	92
36) 1,2-Dichloroethane	8.527	62	126864	23.883	ug/l	100
37) Trichloroethene	9.210	130	69695	18.990	ug/l	92
38) Methylcyclohexane	9.457	83	116312	19.067	ug/l	92
39) 1,2-Dichloropropane	9.486	63	80622	19.541	ug/l	97
40) Dibromomethane	9.574	93	55134	20.739	ug/l	97
41) Bromodichloromethane	9.757	83	120154	22.117	ug/l	94
42) Vinyl Acetate	6.428	43	1181806	107.182	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	142045	21.683	ug/l	97
44) Isopropyl Acetate	8.557	43	229023	22.247	ug/l	98
45) 1,4-Dioxane	9.563	88	38956	451.823	ug/l #	86
46) Methyl methacrylate	9.557	41	100025	20.722	ug/l	89
47) n-amyl Acetate	12.386	43	162632	21.669	ug/l	98
48) t-1,3-Dichloropropene	10.716	75	131764	22.220	ug/l	97
49) cis-1,3-Dichloropropene	10.186	75	134886	21.144	ug/l	96
50) 1,1,2-Trichloroethane	10.892	97	79995	20.599	ug/l	98
51) Ethyl methacrylate	10.757	69	140735	21.151	ug/l	92
52) 1,3-Dichloropropane	11.039	76	143139	20.808	ug/l	97
53) Dibromochloromethane	11.233	129	86054	21.285	ug/l	99
54) 1,2-Dibromoethane	11.345	107	82290	20.606	ug/l	99
55) 2-Chloroethyl vinyl ether	10.033	63	256454	89.597	ug/l	98
56) Bromoform	12.451	173	57586	20.063	ug/l #	99
58) 4-Methyl-2-Pentanone	10.327	43	725150	104.329	ug/l	99
59) 2-Hexanone	11.080	43	540978	108.075	ug/l	100
61) Tetrachloroethene	10.974	164	59901	19.400	ug/l	97
62) Toluene	10.504	91	323350	19.646	ug/l	98
64) Chlorobenzene	11.768	112	194502	20.092	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.839	131	79812	20.744	ug/l	98
66) Ethyl Benzene	11.839	91	368885	19.936	ug/l	99
67) m/p-Xylenes	11.951	106	265958	39.946	ug/l	93
68) o-Xylene	12.274	106	138129	20.682	ug/l	94
69) Styrene	12.292	104	208336	19.758	ug/l	95
70) Isopropylbenzene	12.574	105	355158	20.780	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.821	83	122140	20.851	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	118462m	21.358	ug/l	
73) Bromobenzene	12.857	156	71217	19.326	ug/l	76
74) n-propylbenzene	12.915	91	393941	20.326	ug/l	97
75) 2-Chlorotoluene	13.004	91	247283	20.902	ug/l	92
76) 1,3,5-Trimethylbenzene	13.057	105	287964	21.152	ug/l	100
77) t-1,4-Dichloro-2-butene	12.621	75	42395	21.414	ug/l	93
78) 4-Chlorotoluene	13.104	91	229266	21.232	ug/l	90
79) tert-butylbenzene	13.321	119	259002	21.746	ug/l	97
80) 1,2,4-Trimethylbenzene	13.498	105	338515	24.702	ug/l	100
81) sec-Butylbenzene	13.498	105	338515	19.785	ug/l	99
82) p-Isopropyltoluene	13.609	119	263666	19.868	ug/l	98
83) 1,3-Dichlorobenzene	13.609	146	118100	18.383	ug/l	96
84) 1,4-Dichlorobenzene	13.692	146	115982	18.556	ug/l	97
85) n-Butylbenzene	13.939	91	218001	19.709	ug/l	97
86) Hexachloroethane	14.204	117	61158	22.393	ug/l	91
87) 1,2-Dichlorobenzene	13.980	146	119214	18.884	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.598	75	29820	24.470	ug/l #	83
89) 1,2,4-Trichlorobenzene	15.262	180	57589	18.315	ug/l	99
90) Hexachlorobutadiene	15.362	225	28024	18.177	ug/l	99
91) Naphthalene	15.503	128	228978	20.072	ug/l	98
92) 1,2,3-Trichlorobenzene	15.698	180	57911	18.156	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

